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| We are investigating: **Which surface on a Roman road would have the best grip when walking in sandals?** |

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| The **variables** we could change**Foil****Card****board****Sand****paper****Fabric****Tissue** **paper** | The **variables** we could **measure**/**observe****How far the shoe moved in a specific time****How much force was used to move the shoe across the material****Road length** |
|  **Materials**We **will** change | **Force used to move the shoe** **Distance travelled in a specific time**We **will** Measure/observe |
| Our **question** is… **the friction between the shoe and the road surface?** **Materials**If we change What will happen to  |
| To make it a **fair test** we will Keep these **variables** the same**Road length****Time period****Shoe** | Our **predictions** are… |